

## ABSTRACT OF THE DISCLOSURE

An electronic apparatus forming a sensor, an actuator or a control is described comprising a control engine and an integrated bus interface via which the apparatus can be connected to a data bus for the communication of the apparatus with at least one further apparatus connected to the data bus and forming a sensor, an actuator or a control. The communication, i.e. the transmission and/or the reception of data via the data bus, takes place via any desired predetermined communication protocol. The control engine includes an application-specific engine and a bus protocol-specific engine which are decoupled from one another and exchange application-specific data via a pre-determined, standardized interface. The bus protocol-specific engine is made for the transmission and/or the reception of data via the bus interface. The application-specific section is made for the control of the apparatus independently of the bus protocol used. Data received via the standardized interface can be converted into the bus protocol and/or data received via the bus interface can be converted into corresponding application-specific data by the bus protocol-specific engine.